

**IN THE CLAIMS:**

Please Cancel Claims 1 through 6 without prejudice.

Please Amend Claim 7 to read as follows:

7. A power turbine speed control system for a helicopter comprising:
- a) means for generating a power turbine speed signal based upon a demanded speed;
  - b) means for filtering the power turbine speed signal by effectuating a rapid attenuation of main and tail rotor torsional frequencies in the power turbine speed signal without compromising phase at low frequencies;
  - c) a governor for providing isochronous power turbine speed and rotor speed control based upon the filtered power turbine speed signal; and
  - d) damping means for actively damping main and tail rotor torsional frequencies.

## APPENDIX OF AMENDMENTS TO THE CLAIMS

### IN THE CLAIMS:

7. (Amended) A power turbine speed control system [as recited in Claim 1, further comprising] for a helicopter comprising:

a) means for generating a power turbine speed signal based upon a demanded speed;

b) means for filtering the power turbine speed signal by effectuating a rapid attenuation of main and tail rotor torsional frequencies in the power turbine speed signal without compromising phase at low frequencies;

c) a governor for providing isochronous power turbine speed and rotor speed control based upon the filtered power turbine speed signal; and

d) damping means for actively damping main and tail rotor torsional frequencies.